

High Pressure Fuel Pump Piston Upgrade Kit EA888 Gen 3 2.0T Engines

**034 MOTOR SPORT**

The 034Motorsport High Pressure Fuel Pump Piston Upgrade Kit is designed to be a drop-in replacement piston for the factory high pressure fuel pump for the EA888 Gen 3 2.0T Engines found in the MK7/7.5 Volkswagen GTI/GLI/R, 8V/8V.5 Audi A3/S3, and 8S Audi TT/TTS.

Installation Spiciness Rating: MILD



Installation of your MQB Fuel Pump Upgrade is a straightforward process that should take approximately 30 minutes to complete.

Supplied Parts:

- 034 Fuel Pump Assembly

Tools Needed:

- 17mm Wrench
- 10mm Triple-square bit
- Pliers
- Small Flathead Screwdriver
- M4 Allen bit
- 15mm Socket (Thin-walled for NPT plugs)

Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:

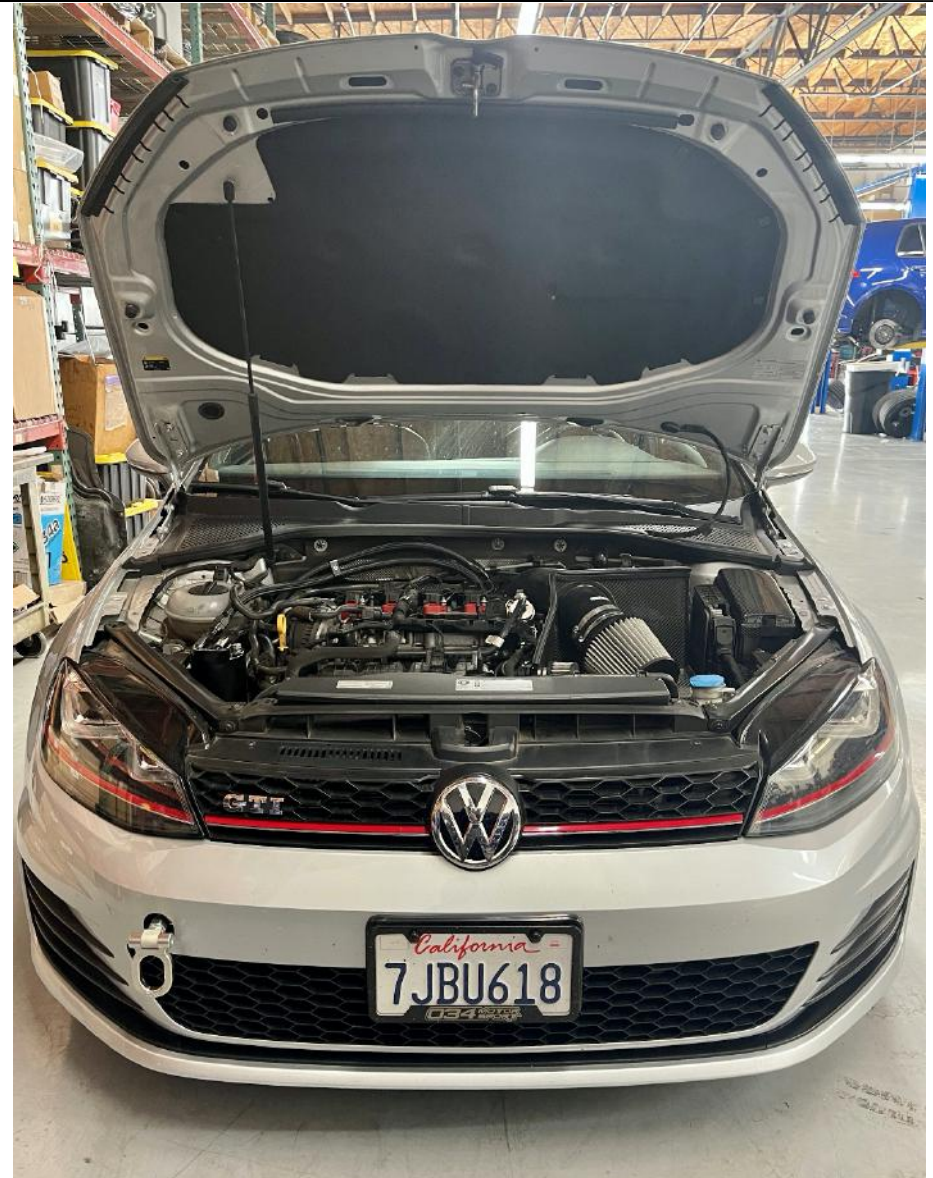
About This Guide

This Install Guide documents the installation process on an MK7 VW GTI. There may be minor differences depending on specific vehicle, market, options, etc.

Install Steps

Step 1

Open the hood of your car.



Step 2 (Optional)

Using a flathead screwdriver or wrench, loosen the hose clamps on the intake hose and set the hose aside.



Step 3

Law down a few rags to catch any fuel spillage.

Step 4

Using a flathead screwdriver, disconnect the fuel pump sensor.



Step 5

Using a pair of pliers, loosen the clamp on the fuel line and remove the line. Beware of fuel while relieving the pressure!



Step 6

Using a 17mm wrench, loosen the nut on the hardline fitting.

**Step 7**

Using a 10mm Triple-square, remove the hardware securing the fuel pump to the block.

**Step 8**

Remove the factory fuel pump assembly from the block. We found that using a counter-clockwise motion will help separate the fuel pump from the hardline.

**Step 9**

Secure the fuel pump in a vise.



Step 10

Using the fuel pump piston socket, extract the piston assembly.



Step 11

Place a deep socket over the piston head and an M4 Allen bit on the opposite end. Put the whole assembly into a vise. Compress the spring to remove the piston retaining clips.



Step 12

Remove the factory piston and sleeve and swap in the 034 components.

**Step 13**

Insert the spring over the piston shaft.

Step 14

Lightly compress the spring and install the 034 washer.

Step 15

Again, place a deep socket over the piston head and an M4 Allen bit on the opposite end. Put the whole assembly into a vise. Compress the spring to reinstall the piston retaining clips.

**Step 16**

Using the fuel pump piston socket, reinstall the piston assembly. Sorry, there is no torque value for this; make sure that it can't be removed by hand.

**Step 17**

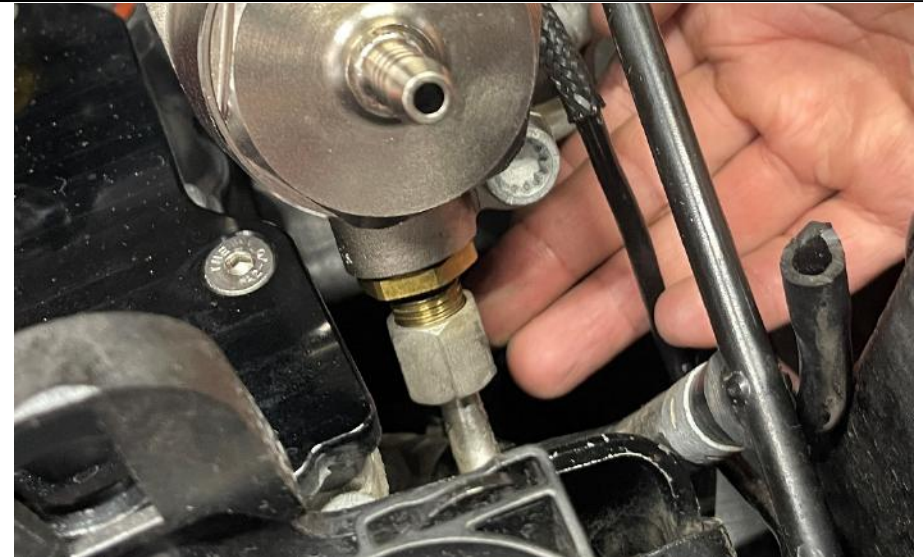
Install the 034 Fuel Pump Upgrade into the stock location. Use a clockwise rotation to engage with the hardline.

**Step 18**

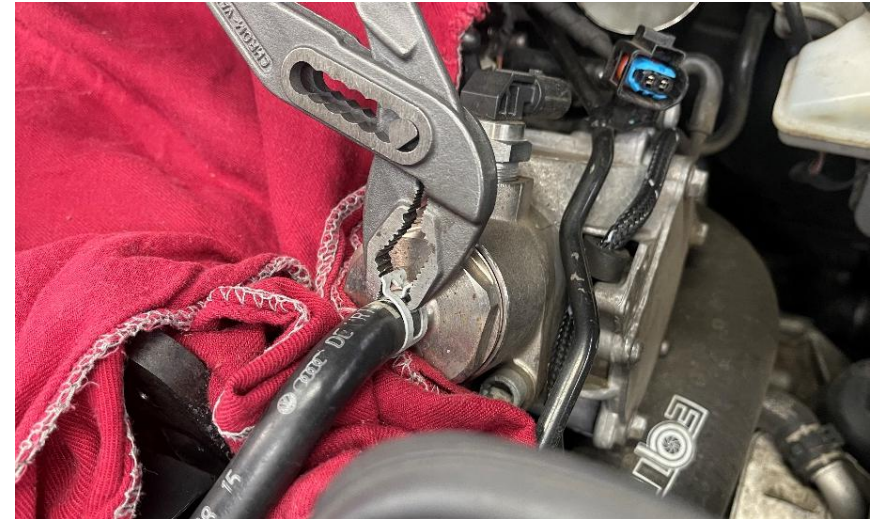
Using a 10mm Triple-square, reinstall the fuel pump to the block.

**Step 19**

Using a 17mm wrench, tighten the nut on the hardline fitting.

**Step 20**

Reinstall the fuel line to the fuel pump. Using a pair of pliers, secure the clamp on the fuel line.

**Step 21**

Reinstall the fuel pump sensor.



Step 23 (Optional)
Reinstall the intake hose if you removed it.



Step 24

Close your hood and you are good to go! Enjoy the increased fueling capabilities.

